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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/019,220	05/16/2002	Kim King Tong Lau	117-373	6272
7:	590 09/09/2004		EXAMINER	
Nixon & Vanderhye 1100 North Glebe Road 8th Floor			NOGUEROLA, ALEXANDER STEPHAN	
Arlington, VA 22201-4714			ART UNIT	PAPER NUMBER
			1753	
			DATE MAILED: 09/09/2004	1

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	1 8				
	Application No.	Applicant(s)	4			
Office Action Commen	10/019,220	LAU ET AL.				
Office Action Summary	Examiner	Art Unit	· · · · · · · · · · · · · · · · · · ·			
	ALEX NOGUEROLA	1753				
The MAILING DATE of this communication a Period for Reply	appears on the cover sheet with	n the correspondence addre	9ss			
A SHORTENED STATUTORY PERIOD FOR REF THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a r - If NO period for reply is specified above, the maximum statutory peri - Failure to reply within the set or extended period for reply will, by state Any reply received by the Office later than three months after the material earned patent term adjustment. See 37 CFR 1.704(b).	N. 1.136(a). In no event, however, may a repreply within the statutory minimum of thirty od will apply and will expire SIX (6) MONTI tute. cause the application to become ABA	oly be timely filed (30) days will be considered timely. HS from the mailing date of this common NDONED (35 U.S.C. \$ 133)	nunication.			
Status						
1) Responsive to communication(s) filed on						
	his action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4)⊠ Claim(s) <u>22-43</u> is/are pending in the applicat	tion.					
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)☐ Claim(s) is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) <u>22-43</u> are subject to restriction and	or election requirement.					
Application Papers						
9)☐ The specification is objected to by the Exami	ner.					
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to th						
Replacement drawing sheet(s) including the corre			.121(d).			
11) The oath or declaration is objected to by the I	Examiner. Note the attached C	Office Action or form PTO-1	152.			
Priority under 35 U.S.C. § 119						
12)☐ Acknowledgment is made of a claim for foreig a)☐ All b)☐ Some * c)☐ None of:	gn priority under 35 U.S.C. § 1	19(a)-(d) or (f).				
1. Certified copies of the priority documer	nts have been received					
2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bure		oor od in tino Hational Otal	gc			
* See the attached detailed Office action for a lis		ceived.				
Attachment(s)	k -4					
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4). Tinterview Sum Paper No(s)/M	mary (PTO-413) Iail Date				
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08	3) 5) Notice of Infor	mal Patent Application (PTO-152)			
Paper No(s)/Mail Date S. Patent and Trademark Office	6)					

Application/Control Number: 10/019,220

Art Unit: 1753

DETAILED ACTION

Election/Restrictions

1. Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claims 22-37, drawn to a sensor.

Group II, claims 38 and 39, drawn to use of a sensor.

Group III, claims 40-43, drawn to a ferricyanide compound.

- 2. The inventions listed as Groups I and III do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: the sensor of Group I does not require the ferricyanide compound to have a quaternary ammonium ion as defined by the compound of Group III. Claim 25 of Group I allows for a larger range of ammonium compounds than Group III. For example, the quaternary ammonium of claim 25 may comprise three different alkyl groups having 20 carbons each. Furthermore, Group I does not necessarily require the ferricyande compounds to include a quaternary ammonium ion. Claim 22 is openended and Claims 28 and 33 of Group I require a phosphonium ion instead.
- 3. The inventions listed as Groups II and III do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reason: Group II is directed to use of the sensor of Group I and thus also does not require the ferricyande compound to have a quaternary ammonium ion as defined by compound of Group III or, indeed, to necessarily

Application/Control Number: 10/019,220

Art Unit: 1753

require the ferricyanide compound to include a quaternary ammonium ion, as discussed in the preceding paragraph.

Page 3

4. Because Groups I and II do share a special technical feature they will be rejoined upon an election of either group.

5. A telephone call was made to Arthur Crawford on September 03, 2004 to request an oral

election to the above restriction requirement, but did not result in an election being made.

Applicant is advised that the reply to this requirement to be complete must include an

election of the invention to be examined even though the requirement be traversed (37 CFR

1.143).

6. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the

inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the

currently named inventors is no longer an inventor of at least one claim remaining in the

application. Any amendment of inventorship must be accompanied by a request under 37

CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

7. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to ALEX NOGUEROLA whose telephone number is (571) 272-

1343. The examiner can normally be reached on M-F 8:30 - 5:00.

Application/Control Number: 10/019,220

Art Unit: 1753

Page 4

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, NAM NGUYEN can be reached on (571) 272-1342. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Alex Noguerola Primary Examiner AU 1753

September 5, 2004